

WHAT IS CLAIMED IS:

1. A system for synchronizing a cached file with a database:  
a computer processor;  
a network connection device operable to establish a connection with a database;  
a computer readable memory containing a cache; and  
a software program, executable to run in user space, stored on the computer readable memory and executable by the computer processor to:
  - send a request to the database for a database asset;
  - receive a database asset directly from a database;
  - store the database asset as a cached file in the cache;
  - determine if the cached file has been modified; and
  - if the cached file has been modified, save the cached file directly to the database.
2. The system of Claim 1, further comprising an operating system operable to open the cached file in an application associated with a file type for the cached file.
3. The system of Claim 1, wherein the software program is further executable to receive a notification from a file management system of an operating system that the cached file has been modified.
4. The system of Claim 1, wherein the software program is further executable to poll the cached file to determine if the cached file has been modified.
5. The system of Claim 1, wherein the software program is further executable to associate the cached file with a connection, wherein the connection is associated with the database.
6. The system of Claim 5, wherein the software program is further operable to establish the connection.

7. The system of Claim 6, wherein the software program is further executable to:  
determine if the connection has been disconnected; and  
if the connection has been disconnected, to reestablish the connection.

8. The system of Claim 6, wherein the software program is further executable to:  
save a user login; and  
reestablish the connection using the user login.

9. The system of Claim 1, wherein the software program is further executable to  
associate the cached file with a location in the cache.

10. The system of Claim 9, wherein an application accessing the cached file saves  
the cached file at the location in the cache associated with the cached file.

11. The system of Claim 1, wherein the software program is further executable to  
receive a database notification from a database management program that an additional user  
has modified the database asset.

12. The system of Claim 11, wherein the software program is further executable to  
provide a notice to a first user that the additional user has modified the database asset.

13. The system of Claim 11, wherein the software program is further executable to  
provide the first user an option of overriding a modification to the database asset made by the  
additional user.

14. The system of Claim 1, wherein the software program is further executable to:  
receive the request from a first user for the database asset.

15. The system of Claim 1, wherein the software program is executable to:  
receive a notification that said database asset has been deleted from said  
database; and

purge said cached file from said cache.

16. A system for synchronizing a file in a cache comprising:

a database server further comprising:

a server processor;

a server memory; a database stored on said server memory containing a plurality of databases; and

a database management program stored on the server memory executable by the server processor to:

receive a client request for a database asset from the plurality of database assets; and

retrieve the database asset; and

a client computer in electrical communication with the database server further comprising:

a client processor;

a client memory; and

a cache manager program, stored on the client memory executable by the client processor to run in user space and to:

establish a connection to the database server;

forward the client request for the database asset to the database server;

receive the database asset directly from the database server;

store the database asset as a cached file in the client memory;

determine if the cached file has been modified; and

if the cached file has been modified, communicate the cached file directly to the database.

17. The system of Claim 16, wherein the client computer further comprises:

an operating system; and

an application executable to access the cached file.

18. The system of Claim 17, wherein the application is associated with a file type corresponding to the database asset.

19. The system of Claim 18, wherein the cache manager program is further executable to prompt the operating system to access the cached file using the application.

20. The system of Claim 17, wherein the client computer further comprises:  
an operating system having a file management system; and  
wherein the cache manager program is further executable to receive a notification from the file management system that the cached file has been modified.

21. The system of Claim 16, wherein the cache management program is further executable to poll the cached file to determine if the cached file has been modified.

22. The system of Claim 16, wherein the cache management program is further executable to associate the cached file with a connection, wherein the connection is associated with the database.

23. The system of Claim 16, wherein the cache management program is further executable to:

determine if the connection has been disconnected; and  
if the connection has been disconnected, to re-establish the connection.

24. The system of Claim 23, wherein the cache management program is further executable to:

save a user login; and  
reestablish the connection using the user login.

25. The system of Claim 16, wherein the cache management program is further executable to associate the cached file with a location in the cache.

26. The system of Claim 25, wherein an application accessing the cached file saves the cached file at the location in the cache associated with the cached file.

27. The system of Claim 16, wherein the database management program is executable to notify the client computer if an additional client modifies the database asset, and wherein the cache manager program is executable to receive the notification from the database management program.

28. The system of Claim 27, wherein the cache management program is further executable to provide a warning to a first user that the additional user has modified the database asset.

29. The system of Claim 16, wherein the database management program is executable to notify the client computer that the database asset has been deleted from the database, and wherein the cache manager is operable to purge the cached file from the cache.

30. A method for synchronizing a file in a cache comprising:  
receiving a database asset directly from a database;  
storing the database asset in a cache as a cached file;  
determining if the cached file has been modified; and  
if the cached file has been modified, communicating the cached file directly to the database.

31. The method of Claim 30, wherein the step of determining if the cached file has been modified further comprises receiving a notification from a file management system that the cached file has been modified.

32. The method of Claim 30, wherein the step of determining if the cached file has been modified further comprises polling the cached file.

33. The method of claim 30, further comprising associating the cached file with a connection.

34. The method of Claim 33, further comprising establishing the connection with the database.

35. The method of Claim 34, further comprising:  
determining if the connection with the database has become disconnected; and  
if the connection with the database has become disconnected, reestablishing the connection to the database.

36. The method of Claim 35, further comprising saving a user login and using the saved user login to reestablish the connection.

37. The method of Claim 30, further comprising associating the cached file with a location in a memory.

38. The method of Claim 30, further comprising notifying a first user that an additional user has accessed the database asset.

39. The method of Claim 30 further comprising opening the cached file with an application associated with a file type associated with the cached file.

40. The method of claim 30 further comprising purging the cached file from the cache if the database asset is deleted from the database.

41. A method of managing a cache comprising:  
establishing a connection with a database;  
retrieving a database asset from the database;  
storing the database asset in a cache as a cached file;  
associating the cached file with the connection;

opening the cached file in an application associated with the file type for the cached file;  
determining if the cached file has been modified;

if the cached file has been modified:

determining if the connection with the database is still established;

if the connection with the database is not still established, reestablishing the  
connection to the database;

communicating the cached file directly to the database; and

saving the cached file in the database as the database asset.

42. The method of Claim 41, further comprising receiving a notification from a file management system that the cached file has been modified.

43. The method of Claim 41, wherein the step of determining if the cached file has been modified further comprises polling the cached file.

Patent Application